

Fig. 1

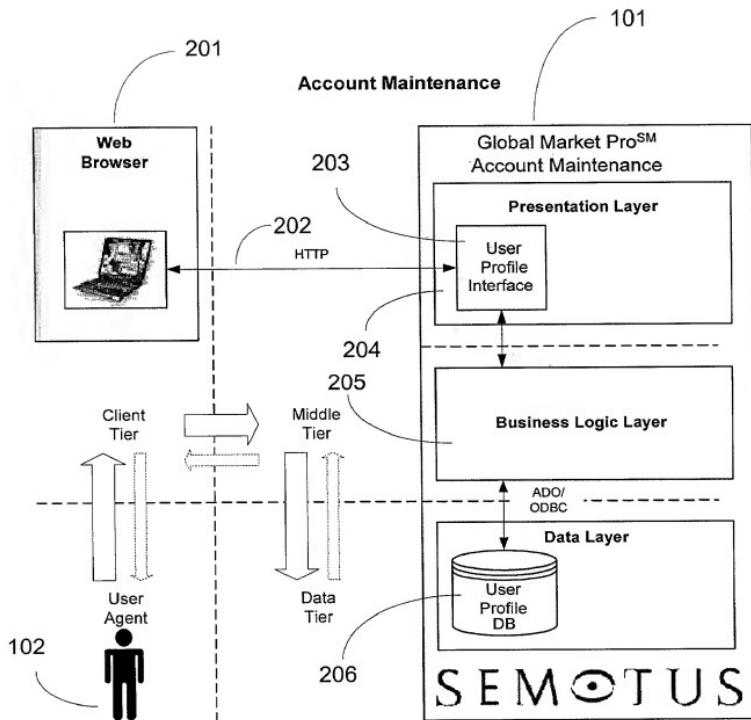


Fig. 2a

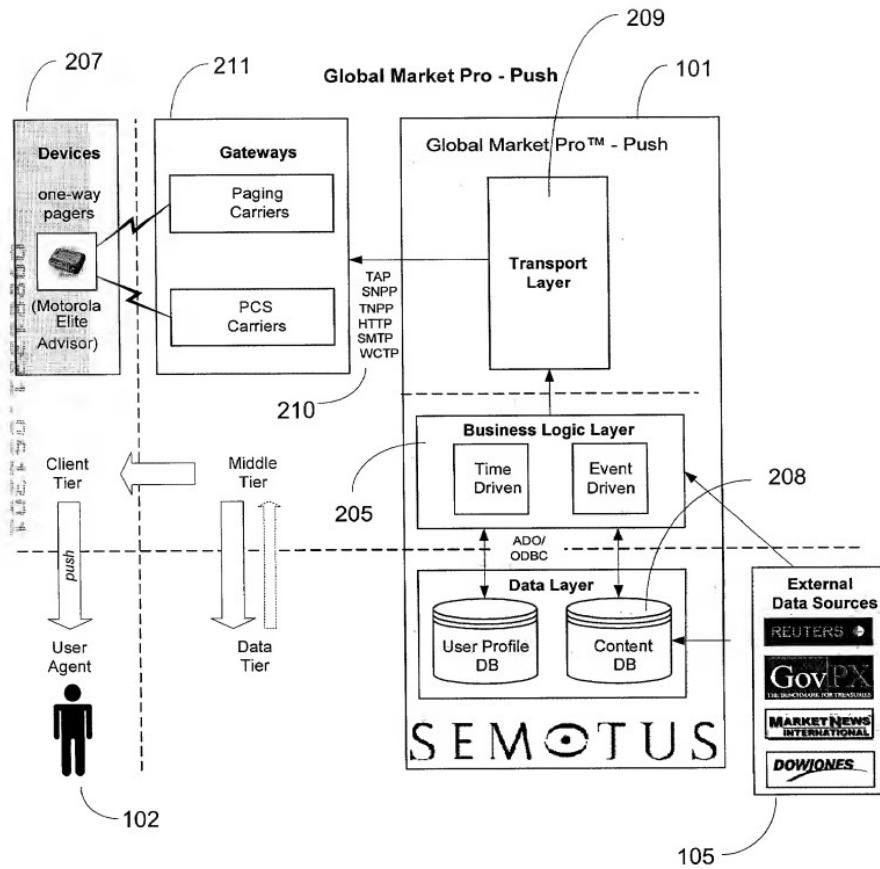


Fig. 2b

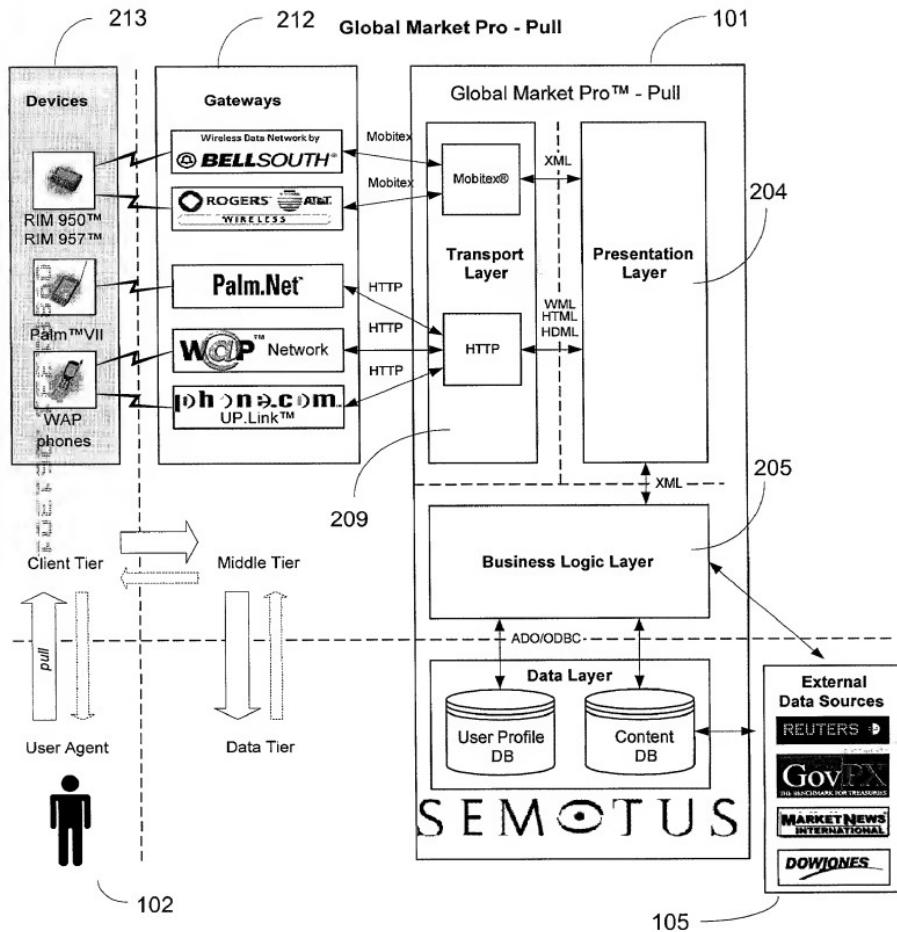


Fig. 2c

GMPro Account Maintenance

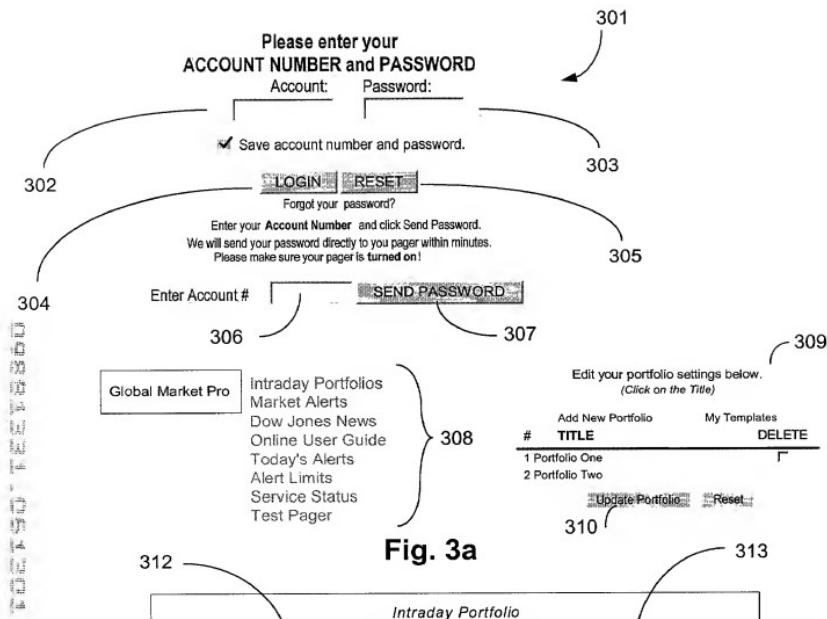


Fig. 3a

Intraday Portfolio Edit your portfolio settings below.		
Alert Settings:		
Alert Title: Stocks Symbol Alias Display template CMB CMB Default Template MER MER Default Template GS GS Default Template MWD MWD Default Template MSFT.O MSFT.O Default Template CSCO.O CSCO.O Default Template MRK MRK Default Template Default Template (USER)Currency Bid/Off (USER)My Equities (GMP)CROSS FX BIDASK (GMP)CROSS FX HI/LO (GMP)EQUITIES HI/LO (GMP)EURO \$ Update Portfolio K888R		
Time Settings:		
Every Day Mon-Fri only Once a day at 0 :00 am Recurring Every 0 Hour 00 Minut e Starting at 0 :00 am Ending at 0 :00 am On-Demand Only		

Fig. 3b

Add your template settings below:

Template Name:

Display Heading

Field Number Add >> << Remove

Submit

Fig. 3c

Edit your template settings below:

Template Name:

Display Heading

Field Number Add >> << Remove

Last Value
Net Change
HIGH_1
LOW_1
ACVOL_1

Submit

Fig. 3d

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Default Display Templates

Type of RICs (Example RICs)	Fields Displayed on the Default Template
NASDAQ Equities (MSFT.O)	NASDAQ Market Indicator, Tick Indicator, Last, Net Change, Bid, Ask, High, Low, Accumulated Volume
North American Equities (IBM.N)	Tick Indicator, Last, Net Change, Bid, Ask, High, Low, Accumulated Volume
International Monetary Market Futures (EDH1)	Contract Name, Bid Tick, Bid, Offered, High, Low, Settle (displayed in 32nds)
West Texas Crude & Oils (WTC)	Buy, Sell, Terms (of Delivery), Delivery Date
Spot Energy (AL-ALLOY)	Bid Tick, Bid, Offered
LIBOR Rates (LIUSD3MD=)	Instrument Name, Tick Indicator, Latest Rate
London Int. Futures & European Futures (FGBLH1)	Contract Name, Tick Indicator, Latest, Net Change, High, Low, Settle

Fig. 4a

Pre-Defined
Display Templates

Template Name	Instrument Type Use	Fields Displayed
GMPro1	Commodities	BID, ASK
GMPro2	Commodities (no text header)	BID TICK, BID, ASK
GMPro3	Currencies	BID, ASK, HIGH, LOW
GMPro4	Currencies	BID, ASK
GMPro5	Currencies	HIGH, LOW
GMPro6	Currencies (no text header)	BID TICK, BID, ASK
GMPro7	Equities	TICK INDICATOR, LAST, NET CHANGE
GMPro8	Futures (International) (no text header)	CONTRACT NAME, TICK INDICATOR, LAST, NET CHANGE, HIGH, LOW
GMPro9	Futures (North American in 32nds) (no text header)	CONTRACT NAME, BID TICK, BID, ASK, HIGH, LOW

Fig. 4b



Template Name	Instrument Type Use	Fields Displayed
GMPro10	Futures (North American) (no text header)	CONTRACT NAME, BID TICK, BID, ASK, HIGH, LOW
GMPro11	GovPX	BID TICK, BID, ASK, YIELD, NET YIELD
GMPro12	GovPX (with Net Yield) (no text header)	BID TICK, BID, ASK, YIELD, NET YIELD
GMPro13	GovPX (w/o Net Yield) (no text header)	BID TICK, BID, ASK, YIELD
GMPro14	Indices (no text header)	TICK INDICATOR, LAST, NET CHANGE
GMPro15	IRS (no text header)	BID TICK, BID, OFFERED
GMPro16	Rates (International) (no text header)	TICK INDICATOR, LATEST RATES, CONTRIBUTOR
GMPro17	Rates (USA) (no text header)	CONTRACT NAME, TICK, LATEST RATE
GMPro18	Treasury	BID, OFFERED, YIELD

Fig. 4c

Custom Display Templates

Add your template settings below:

Template Name: Equities

Display Heading

Field Number Add >> << Remove

Submit

This screenshot shows a web-based application for creating a custom display template. At the top, it says "Add your template settings below:" followed by a template name input field containing "Equities". Below this is a "Display Heading" section. On the left is a "Field Number" input field with a dropdown arrow. To its right are two buttons: "Add >>" and "<< Remove". To the right of these buttons is a large empty rectangular area labeled "Display Heading". At the bottom of the form is a "Submit" button.

Fig. 4d

Edit your template settings below:

Template Name: Equities

Display Heading

Field Number Add >> << Remove

Last Value
Net Change
HIGH_1
LOW_1
ACVOL_1

Submit

This screenshot shows a web-based application for editing a custom display template. It starts with "Edit your template settings below:" and a template name input field with "Equities". Below is a "Display Heading" section. A "Field Number" input field with a dropdown arrow is on the left, with "Add >>" and "<< Remove" buttons to its right. To the right is a list of selected fields: "Last Value", "Net Change", "HIGH_1", "LOW_1", and "ACVOL_1". At the bottom is a "Submit" button.

Fig. 4e

Internet Account Maintenance

Please enter your
ACCOUNT NUMBER and PASSWORD

Account: _____ Password: _____

Save account number and password.

LOGIN **RESET**

Forgot your password?

Enter your Account Number and click Send Password.
We will send your password directly to you pager within minutes.
Please make sure your pager is turned on!

Enter Account # **SEND PAGER**

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Global Market Pro

Intraday Portfolios
Market Alerts
Dow Jones News
Online User Guide
Today's Alerts
Alert Limits
Service Status
Test Pager



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Fig. 5a

Market Alerts

Add New Filters

RIC: MSFT.O Alias Microsoft

#	Filter Type	Filter Value
1.	% Change Alert on Last	1
2.	% Change Alert on Last	20
3.	% Change Alert on Last	
4.	% Change Alert on Last	

501

Fig. 5b



GMPro - On-Demand Advanced - Market Alerts

To add New Market Alerts enter a RIC in the box

and click here

NEW ENTRY

601

RIC	Alias	Filter Type	Value	Delete
MSFT.O	Microsoft	%Chg Alert on Last	1	

%Chg Alert on Last

%Chg Alert on Bid

Update Portfolio

Reset

603

Fig. 6a

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Yesterday's Alerts			Today's Alerts GMPro On-Demand		
Date: Friday, February 2, 2001					
Number of alerts today to your GMPro On-Demand service:					
Time	Message	Status	Time	Message	Status
6:15:09 AM	Microsoft % Chg-(22) MMQ +63 3/8 NChg -1 1/8 B	OK			

Fig. 6b

Market Alert - Filter Types

Financial Instrument	RIC Example	Market Alert Filter Types
Equities	MSFT.O	% Change Alert on Bid % Change Alert on Last Change Alert on Bid Change Alert on Last High Alert on Bid High Alert on Last High Alert on Trade Volume Low Alert on Bid Low Alert on Last
Futures	EDZ1	% Change Alert on Last % Change Alert on Yield Change Alert on Last Change Alert on Yield High Alert on Last High Alert on Yield Low Alert on Last Low Alert on Yield
Treasuries	US30YT=PX	% Change Alert on Last % Change Alert on Yield % Change Alert on BTYSPD Change Alert on Last Change Alert on Yield Change Alert on BTYSPD High Alert on Last High Alert on Yield High Alert on BTYSPD Low Alert on Last Low Alert on Yield Low Alert on BTYSPD Change Alert on % 1 Day Chg

Fig. 7a

Market Alert - Filter Types (continued)

Financial Instrument	RIC Example	Market Alert Filter Types
Indices	.DJI	% Change Alert on Last Change Alert on Last High Alert on Last Low Alert on Last Volume Alert on Volume
Interest Rate SWAPS	USD10YTS=ICAP	% Change Alert on Last Change Alert on Last High Alert on Last Low Alert on Last
International Futures	FGBLU1	% Change Alert on Last Change Alert on Last High Alert on Last Low Alert on Last Open
Rates (such as LIBOR)	LIUSD3MD=	% Change Alert on Last Change Alert on Last High Alert on Last Low Alert on Last
Spot Rates (Currencies & Commodities)	JPY=	% Change Alert on Bid Change Alert on Bid High Alert on Bid Low Alert on Bid

Fig. 7b

801

Alert Type	Alert Message Identifier
Change	Chg.
Close	C
Volume	Vol.
High	H
Low	L
Open	O
Percentage Change	%Chg



Alert Message Identifiers
One-Way Pager

Fig. 8

Internet Account Maintenance

Please enter your
ACCOUNT NUMBER and PASSWORD

Account: _____ Password: _____

Save account number and password.

LOGIN **RESET**

Forgot your **password**?

Enter your **Account Number** and click **Send Password**.
We will send your password directly to you pager within minutes.
Please make sure your pager is turned **on**!

Enter Account # **SEND PASSWORD**

Global Market Pro

Intraday Portfolios
Market Alerts
Dow Jones News
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Today's Alerts
Alert Limits
Service Status
Test Pager



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Fig. 9a

CAPITAL MARKET REPORT/ ECONOMIC REPORT
SETUP SCREEN

News Query Name:

1) Set News Code Criteria: 3) Set Headline Time-Stamp Criteria:

All Headlines for all newscodes: OR
 Select News Code(s):

Company used news codes:
N/BON - BOND
NEWS
N/CAL - CALENDARS
NICOB - CORP

Enter Known News Codes Directly Below:
N/EMI, N/IEI/G/FED

All Headlines in previous 48 hours
 All Headlines since : :

Note: All time-stamps are Eastern Standard Time

2) Set Headline Keyword/Ticker Symbol Criteria:

Keyword(s):
Ticker:
Symbol(s):
Ticker Symbol Search

901

Fig. 9b

Market Talk Setup Screen

Request Name: _____

1) Set Headline Keyword/Ticker Symbol Criteria: (Please separate the keywords and symbols with comma or space.)

Keyword(s): _____

Ticker Symbol(s): _____

Ticker Symbol Search

2) Set Headline Time-Stamp Criteria:

All Headlines in previous 18 hours
 All Headlines since: 1/1/00 AM

Submit

Fig. 9c

GMPro 2.0 - RIM 957 Screen Flow

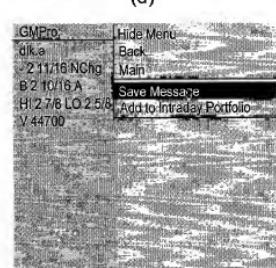
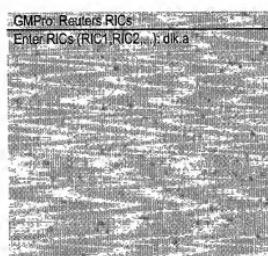
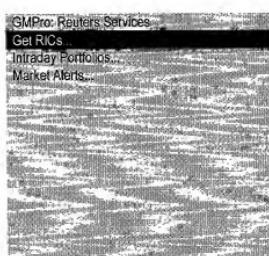
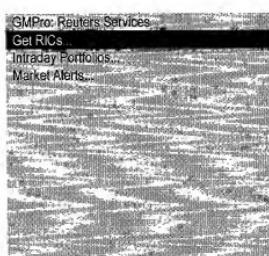
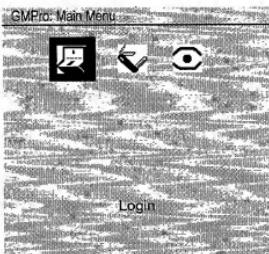
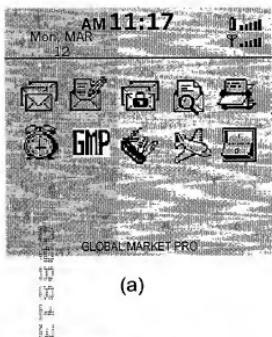
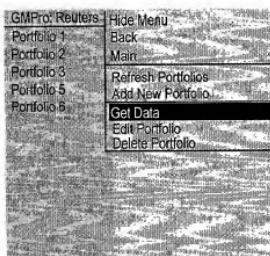
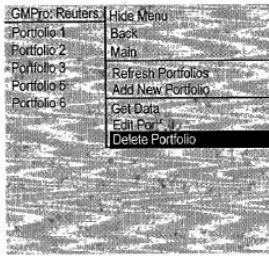


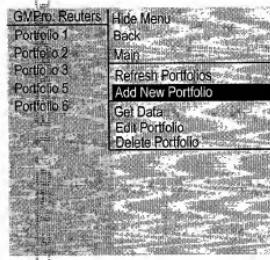
Fig. 10a



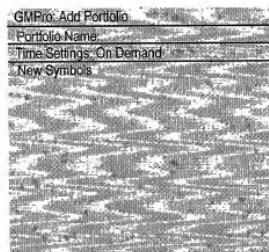
(h)



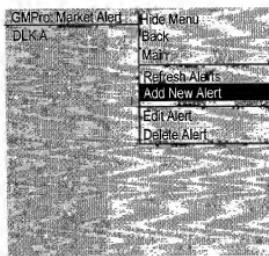
(i)



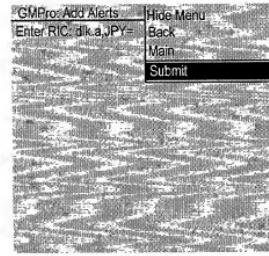
(j)



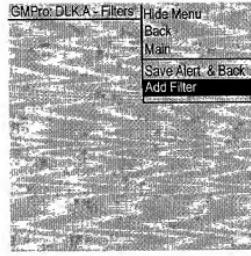
(k)



(l)

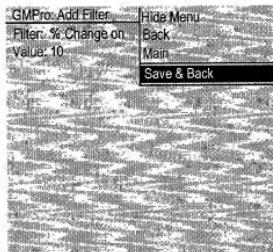


(m)

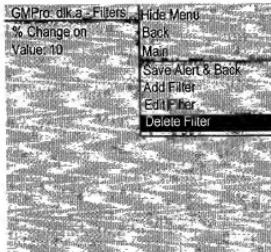


(n)

Fig. 10b



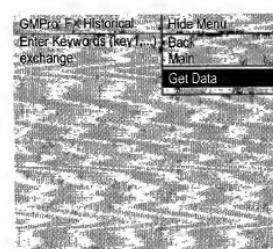
(o)



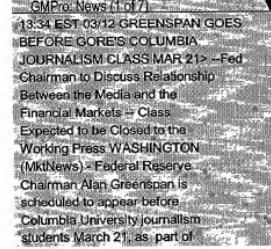
(p)



(q)

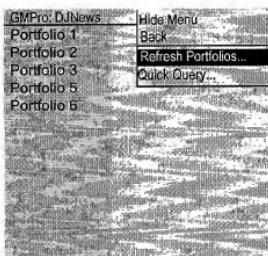


(r)

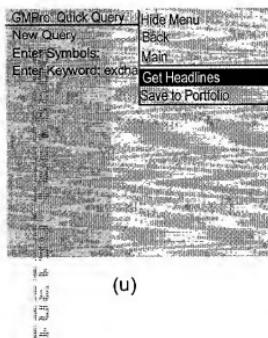


(s)

Fig. 10c



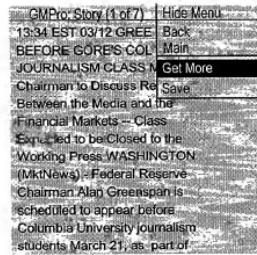
(t)



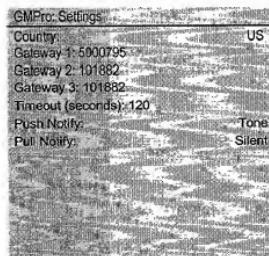
(u)



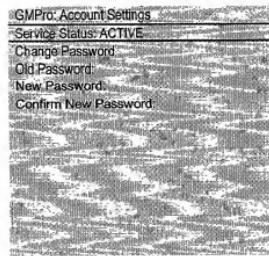
(v)



(w)



(x)



(y)

Fig. 10d

Global Market Pro
Please enter
account.

OK

(a)

Global Market Pro
►Reuters Data
2 MNI-FX Bullets
3 MNI-TSY Bullets
4 Dow Jones News
5 Settings

OK

(b)

Enter Instruments
(RIC1, RIC2, ...)

OK

ALPHA

OK

ALPHA

Microsoft
MMQ
↑ S 11/16
NChg -1 13/16
B S 5/8
A S 11/16

Main

Done

(d)

MNI- Bullets:
1 Get Most Recent
2 Get by Keyword
3 Get by Time

OK

(e)

Enter minutes:

OK

(f)

(02:54 EST 01/16)
EUROPE CAR SALES:
Despite the 8.2%
y/y drop in car
sales in Dec.,
the full year

Main

Done

(g)

DJN Portfolio:
1 Stocks
2 InterestRates
3 Refresh

OK

Back

DJN Headlines:
(1/1827)DJ
Summo/MATRIX -2
Talks To Take
'Significant'
Stake >T SMA

Next

Done

(i)

DJN Quick Query
►[Symbol:]
[Keyword:]
[Run Query]

Symbol

SaveQuery

(j)

DJN Quick Query
►[Symbol:MSFT]
[Keyword:]
[Run Query]

Symbol

SaveQuery

(k)

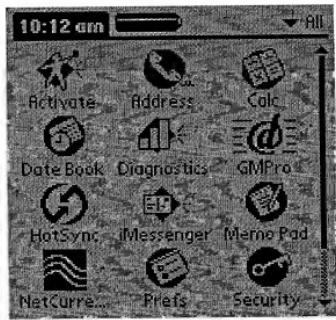
DJN Headlines:
[1/7] DJ High-Tech
Cos. US Govt Team
Up to Combat
Hacking

Next

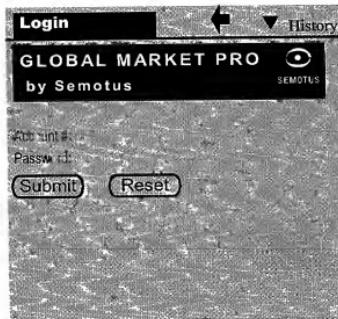
Done

(l)

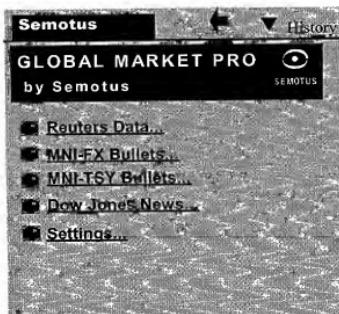
Fig. 11



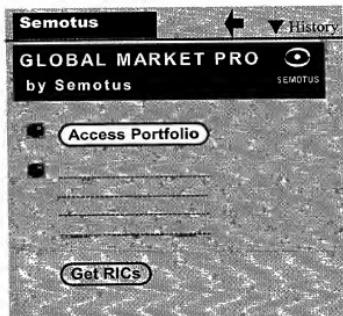
(a)



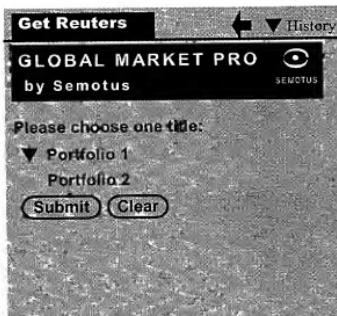
(b)



(c)

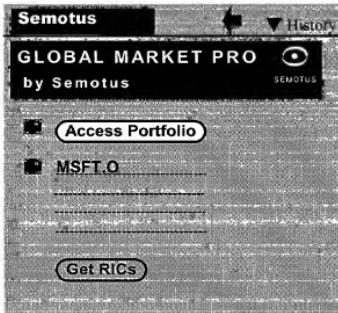


(d)

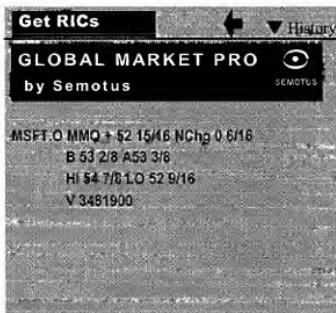


(e)

Fig. 12a



(f)



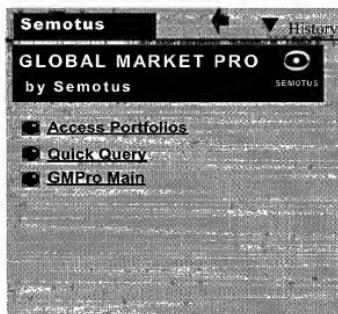
(g)



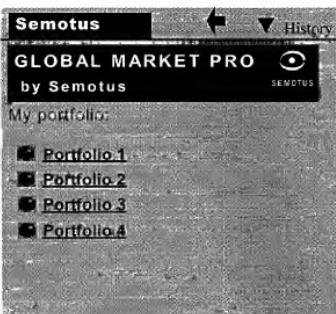
(h)



(i)

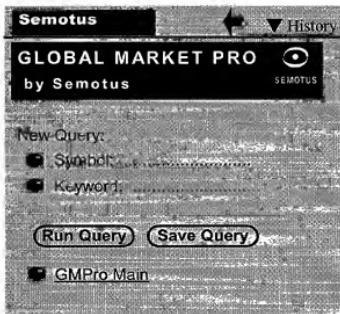


(j)

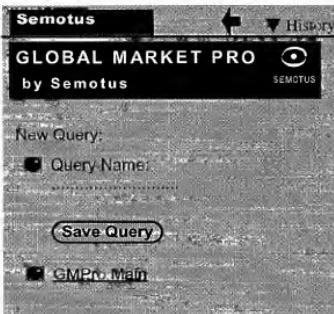


(k)

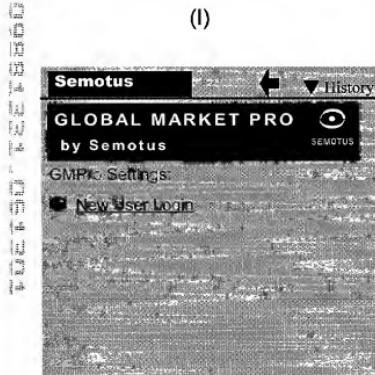
Fig. 12b



(l)



(m)



(n)

Fig. 12c

GMPro: Login

Account: [redacted]
Password: [redacted]

Login Back
Enter Login

(a)

GMPro: Main Menu

Reuters Services ...
MNI-FX-Bullets ...
MNI-TSY-Bullets ...
Login ...

Next Exit
Select Menu

(b)

GMPro: Reuters Services

Access Portfolios ...
Get RICs ...

[redacted icons]

Next Exit
Select Menu

(c)

GMPro: Reuters Portfolio

Bond Futures
Currency Bid / Ask
Dealing 2000 - 2
Equities
Euro Futures
Euro Yen Aussie
EURODOLLARS
European Futures

Get Data Back Refresh
Select Menu

(d)

GMPro: Main Menu

Your request has been sent to Semotus.

OK
Get Data

(e)

GMPro: TSY-Bullets

Get Most Recent
Get by Keyword ...
Get by Time ...

Get Data Back
Select Menu

(f)

GMPro: FX-Bullets

Get Most Recent ...
Get by Keyword ...
Get by Time ...

Get Data Back
Select Menu

(g)

GMPro:

Enter Keyword: market exchange rates

Get Data Back

(h)

New Message 1 of 3

Email Host@mustang.semotus.com
Email Host Response: 10s and QTR
10s. Japanese acccts were strong buyers of 5Y and 10Y agencies. - Treasuries entered NY time in positive territory. sources noted some early morning curve unwinds, selling

OK
Enter Data

(i)

Fig. 13